

# Challenge

your  
imagination

## COMPETITION LAUNCH

### The Details

The exciting new **Challenge Your Imagination Programme** introduces upper KS2 students (year 5 and 6) to the concepts associated with robotics, optics and STEM. It will take them on a journey from core scientific concepts to a competition where they can enter their idea for how we can use sensors and robotics to help people see better.

This programme for Birmingham schools is fully funded and curriculum linked helping you to enrich your teaching.

### You will receive:

- A 30 minute call from the lead education communicator to introduce the programme.
- 10 lesson plans for you to take your students on a journey through the world of vision so they can create their own competition entry.
- An in-school STEM day run by trained education communicators\*.
- Two months after the STEM day, we will deliver a 1 hour per class Competition Check-In workshop to help refine ideas. Depending on availability this will also include a ZEISS ambassador.
- A competition celebration event - 1 class from each school delivers their idea to a panel of ZEISS reviewers.

Delivered by

LEARN  
bydesign



Seeing beyond

# See it - Solve it

## Workshops

### Competition Check-In Workshop

Two months after the STEM day, we will deliver a 1 hour per class follow up session to help students work on and refine their competition idea.

It doesn't matter at what stage the learners are with their ideas, the workshop will be adapted to help them either focus on an idea or develop their ideas.

Delivered by fully trained education communicators plus a ZEISS ambassador depending on their availability.

### See-it, Solve-it STEM day

This exciting day will include **two hands-on workshops** (2/3 hours per class) where pupils will find out more about optics and robotics in a series of hands on team based activities.

We introduce the competition and get them thinking about which area they may focus on.

### Robotics Workshop

This exciting hands-on workshop introduces pupils to the world of sensors and robotics. They will work in teams to problem solve and programme a Lego Boost robot.

### Optics Workshop

In this workshop pupils will cover topics closely related to the work of ZEISS Vision UK as they conduct experiments in teams to better understand what light is, visual impairments and how lenses work.



Find out more at:

[www.learnbydesign.co.uk/  
challenge-your-imagination](http://www.learnbydesign.co.uk/challenge-your-imagination)